東アジア多国間安全保障枠組創出のための研究―米軍プレゼンスの態様―

資料

3) SACO Process, July 1996 :

UNITED STATES MARINE CORPS
U. S. MARINE CORPS FORCES, JAPAN
CAMP SMEDLEY D. BUTLER, OKINAWA
UNIT 35001
FPO AP 96373-5001

IN REPLY REFER TO:
T 4000
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19 Jul 96

From: Commander, U. S. Marine Corps Forces, Japan
To: Commander, U. S. Forces, Japan

Subj: TECHNICAL AND OPERATIONAL FEASIBILITY ASSESSMENT OF MARINE CORPS AIR STATION (MCAS) FUTENMA RELOCATION

Ref: (a) USCINCPAC 040030Z Jul 96 (S)
(b) COMUSJAPAN 130108Z Jul 96
(c) COMMARFORJ 120745Z Jul 96

Encl: (1) Point Paper on Requirements for an MCAS Futenma Replacement Facility

1. References (a) and (b) discussed a technical assessment of the operational feasibility of relocating MCAS Futenma to Kadena Air Base proper. Reference (c) indicated that U. S. Marine Corps Forces, Japan would identify what is required for a replacement facility that would retain the critical military functions and capabilities of the current airfield.

2. The enclosure is submitted in response to reference (b). It is intended to be a baseline for further analyses regarding site-specific relocation options.

W. E. ROLLINGS

Copy to:
COMMARFORPAC

UNCLASSIFIED

STAFF STUDY

3000
G-3
12 Jul 96

SUBJECT. MCAS Futenma Replacement Airfield.

INTRODUCTION. MCAS Futenma will be returned to the GOJ in five to seven years in accordance with SACO interim report of 15 April 1996, contingent on new facilities being built that replicate the current capabilities. This paper does not address the specific location of the replacement air station, rather it shows the requirements for the new facility at any location.

1. PROBLEM. Determine from an operational viewpoint the complete set of capabilities of the airfield to replace MCAS Futenma .

2. ASSUMPTIONS.

a. The capabilities at any new facility (airfield) will replicate the operational capabilities with regards to MAG-36's capabilities now at Futenma with the exception of the KC-130 squadron which will move to Iwakuni. The proposed air station will accommodate all First MAW operational units now on MCAS Futenma. It does include projected replacement of all CH-46 helicopter squadrons with MV-22 squadrons.

b. The runway at the proposed air station will have a minimum length requirement that allows for the safe operation of all MAG-36 rotary wing aircraft and the MV-22 at maximum performance gross weight as computed in applicable NATOPS and NAVFAC documents.

(1) The minimum length runway does not support WESTPAC contingency operations which require the use of heavy C-5, C-141, and C-130 cargo aircraft to transport helicopters and equipment. Therefore, there is a need for access to a C-5 capable runway with sufficient area for buildup of multiple helicopters, including hangar space and overhead hoist support. Additionally, contingency operations would require ramp space for parking multiple C-130 aircraft. A 9,000 ft runway, the current capability at Futenma, would negate the need for this additional requirement needed to support contingency operations.

3. REQUIRED CAPABILITIES.

a. Runway Requirement: Based on CG MARFORPAC letter of 27 June 1996, a 5,164 foot runway is required for the safe operation of the MV-22 at Futenma (240 ft MSL) on a typical

summer day (89 degrees F). A hard surface parking area of 2,250,000 SF and 270,000 SF of taxiway is required.

b. Operational and other Units:

Unit	TMS	Number	Personnel
HQ MAG-36			98
MALS-36			528
HMLA-367	UH-1	6	316
	AH-1	12	
HMM-262	CH-46	12	142
HMM-265	CH-46	12	142
HMH-466	CH-53E	12	241
HMH (53D)	CH-53D	8	152
MWSS-172			593
HQ MACG-18			43
MTACS-18			95
MASS-2			207
STINGER BTRY			214
NAESU			18
NAPRA			51
NAVY CAL LAB			15
TOTAL		62	2,855

Note: If the replacement air station is located a significant distance from the First MAW headquarters and Camp Foster, the following units would have to be moved to the new facility:

Unit	Personnel
HQ FIRST MAW	302
HQ MWSG-17	48
MWHS-1	109
MACS-4	267
MWCS-18	262
TOTAL	988

c. The following are the minimum capabilities required to support operations at the new air station:

FACILITY	SQUARE FOOTAGE
Aircraft washrack (Rotary Wing)	2@7,227
Aircraft washrack (Fixed Wing)	16,398
Engine test cells	2@4,294
	1@14,929
Hot refueling capability	800K gal. JP
Corrosion control facility	20,000
Aircraft simulator facilities (five modules)	26,800
MALS van pad and maintenance facility	79,488
Expeditionary airfield staging area	196,524
MWSS motor pool and heavy equipment facilities (two facilities)	70,920
MWSS-172 Maint/Admin/Warehouse	155,000
Tactical radar staging and test area	2,000
Aircraft rinse facility (Rotary Wing)	8,190
Aircraft rinse facility (Fixed Wing)	15,390
Aircraft Hangars, Type 1, (5)	99,840(total)
Aircraft Hangars, Type 2, (2)	57,120(total)
MALS Warehouse	90,000
MALS GSE Maint Fac	13,700
NAPRA Facility	(Incl in hangar)
NAVCalLab	3,000

d. All new construction must be designed to support the MV-22 where appropriate.

e. Base support requirements. Personnel required to staff the Commanding officer, MCAS organization and the other supporting units are as follows.

UNIT	# OF PERSONNEL
MCAS & H&S	3278
Approp Fund Employees	50
NAVHOSP Branch Clinic	12
Support from MCB Butler	225
Support from 3d FSSG	26
Dental Co, Det	15
Non-appropriated employees	6
Tech reps	16
AAFES	72
Misc(Red Cross,USO)	18
TOTAL	718

The following infrastructure and major facilities are required.

Infrastructure requirements:

13 miles of internal roadways
25 miles of electrical distribution lines
2.8 megawatts of electrical power
13.7 miles of water lines
.43 million gallons a day of water demand
7.4 miles of sewage lines
.43 million gallons a day sewage demand
.75 million gallons water storage

Major facilities:

Facility	Size (in sq ft)
BEQ'S (19 EA)	1,286,000
BOQ'S (5 EA)	185,000
Mess Hall	32,000
Med/Dental Clinic	24,000
Station Admin Offices	51,000
Admin Offices for Supported Wing Units	163,000
Airfield Ops and tower	20,000
Airfield Support (runway lighting, hot refuel pits, fuel storage, radars, meterological)	—
Crash Fire Rescue	13,000
Armory	10,000
POL Facility	2,000
Warehouses	337,000
Comm/Radar	11,000
Security/Gate House	7,000
Chapel	19,000
Post Office	5,000
Exchange Facilities (gas station,snack stand, theater, car wash)	67,000
Bank and/or credit union	7,000
MWR Facilities(bowling alley, gyms, clubs, library)	219,000
Misc MWR Outdoor Facilities (ballfield, tennis courts, swimming pools)	—
Facilities Maintenance Shops and offices	22,000

f. If the new Airfield is located far from Foster and Kadena, 779 family housing units (90% of the requirement) will be required to support the needs of the Wing and Station personnel. A breakdown of the requirement is as follows:

467 Enlisted
138 Officer 02 and below
104 Officer 03 and above
70 Civilian

g. If the new Airfield does not have a runway capable of handling current station aircraft, an additional Type 1 hangar (37,300 Sq Ft) with sufficient parking area will be required at Kadena Air Base. In addition, due to the requirement to receive disassembled helicopters by heavy lift aircraft, facilities will be required at Kadena (hangars, parking areas, helicopter assembly areas) for this function.

4. FLIGHT ACTIVITY. Projected average monthly flight activity level. This information is not meant to be construed as the minimal operational requirement rather it is intended to provide planners perspective on the level and distribution of flight operations.

ACTIVITY	TOTAL WITHOUT MEU ACE	TOTAL WITH MEU ACE
Flight hours	875	1325
Flights	310	495
Night hours at MCAS Futemna	34	65
Ngt hours away from Futemna	245	385
Percentage of hrs fln @ Ngt	32	34
Number of ordnance flts	22	42
# ACFT involved in ord evol	44	70

VFR Pattern Activity	
Number of landings and t/o (day)	1127
Number of Landings and takeoffs (night)	285
TOTAL	~~1312~~ 1412
IFR Activity	
Precision Approaches	300
Nonprecision Approaches	150
Other (Flight following)	280
TOTAL	730 (600 day and 130 night)

5. SUMMARY. In accordance with SACO agreement, current critical functions and capabilities will be retained through relocation of facilities. Therefore, all operational capabilities currently at Futenma must be replicated at the new air station or otherwise provided for elsewhere on the

island. The new airfield must also be capable of supporting planned changes to the operational forces currently at Futenma, i.e. the planned transition of CH-46 squadrons to the MV-22. No capability should be lost as a result of the move.

The new airfield shall have a runway of sufficient length to accommodate both rotary wing aircraft and the MV-22. The minimum runway length to support this requirement does not support MCAS aircraft (C-12 and T-39) currently stationed at Futenma, nor does it support various contingency plans that the Marines at Futenma are currently responsible for. It is therefore a requirement for those capabilities to be accounted for at other facilities on the island or accepted as a loss of capability.

Operational readiness is affected by more than just equipment and operational facilities. Quality of life has a direct influence on personnel readiness. In order to meet the very real needs of personnel readiness, Marines should live reasonably close to where they work, and have those essential quality of life facilities afforded all other Marines and personnel of other services. This would require a base structure much the same as now exists at Futenma and additional facilities to account for the proximity differences.

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22 JUL 96

From: CDR Smith
To: MAJ Scharff

Subj: ADDITIONS TO FUTENMA FSUS

Encl: Updated Spreadsheet

1. The enclosure provides the updated spreadsheet of facility requirements for the "new Futenma" based on the 5164 ft "runway".

2. Please include the following comments in the FSUS:

a. The enclosure provides a listing of facility requirements at the new Air Station. The listing is based on the assumption that a 5164 ft "rotary wing runway" will be provided, and on the assumption that all Wing units and personnel will relocate to the new Air Station. However, MCAS Futenma now provides a runway of sufficient length for heavy cargo aircraft to land. This allows shipping of disassembled helicopters by cargo aircraft. In addition, it provides the U.S. military a second jet aircraft capable airfield on Okinawa, which allows aircraft from Kadena to have an emergency divert alternative to utilization of the Naha commercial airport. To truly replicate current Futenma capabilities in accordance with the SACO report, the following must be provided (note that these facilities are not included in the enclosure).

EITHER:

-include a 9000 ft runway with required clear zones along with an aircraft hangar and associated parking area for the three station aircraft at the new Air Facility,

OR:

-provide a runway sized for safe operations of all MAG-36 rotary wing aircraft and the MV-22 at the new Air Facility. Provide a formal agreement allowing the use of the Naha airport for situations when Kadena's runways are not usable. Also provide the following at Kadena Air Base:

-hangar and parking space for the three Futenma Station Aircraft.
-parking area for multiple heavy cargo aircraft
-hangar space, equipped with overhead hoist support, for assembly of helicopters which would arrive by cargo aircraft.

b. If the new Air Facility is located far from the Foster/Kadena area (e.g. Camp Hansen or Camp Schwab area) 865 family housing units (779 units if programming to 90% of the requirement) will be required to be located in close proximity to the new Air Facility. This requirement is not addressed in the enclosure.

c. The new Air Facility will provide for all personnel support functions currently available at Futenma, allowing personnel to live in close proximity to where they work and to

maintain an equivalent quality of life. If the new location moves personnel far from the services available currently near to Futenma, those facilities must be provided for at the new installation. The enclosure does not provide for these potential additional requirements.

NEW MCAS, OKINAWA

	CCN	DESCRIPTION	UM	SACO REQUIRED	CURRENT ASSETS TOTAL	SURPLUS/ (DEFICIENT)	SACO CONSTRUCT	COMMENTS
	42148	SML ARMS/PYRO MAG	SF	374	374	0	374	
84	44110	GEN WHSE/BULK	SF	13,700	22,400	8,700	13,700	
85	44112	ORGANIC UNIT STORAGE	SF	314,760	212,928	(101,832)	212,928	
86	44120	CTRL HUMIDITY WHSE	SF	9,900	5,864	(4,036)	5,864	
87	44130	HAZ FLAM STHSE	SF	15,400	1,470	(13,930)	1,470	
88	44135	GENERAL STORAGE SHED	SF	330	220	(110)	220	
89	45110	OPEN STORAGE AR	SY	41,180	41,124	(56)	41,124	
90	51077	MISC MED STRG NAVMED	SF	3,210	3,210	0	3,210	
91	54010	DENTAL CLINIC	SF	7,315	7,315	0	7,315	12 OU
92	55010	MEDICAL CLINIC NAVMED	SF	16,500	16,500	0	16,500	
93	61010	ADMIN OFFICE	SF	47,300	47,458	158	47,300	
94	61040	COURT ROOM FAC	SF	3,200	0	(3,200)	0	
95	61070	DIV/WING HDQ	SF	51,000	2,043	(48,957)	2,043	
96	61071	REG/GROUP HDQ	SF	46,120	20,483	(25,637)	20,483	
97	61072	BN/SQDRN HDG	SF	60,300	70,041	9,741	60,300	
98	61073	CO/ BTRY HDQ	SF	8,400	6,675	(1,725)	6,675	
99	69010	FLAGPOLE/BILLBOARD, MARKER	EA	3	3	0	3	
100	72111	UEPH E1/E4 (12 BEQ'S REQ'D)	SF	812,184	471,809	(340,375)	471,809	
101	72112	UEPH E5 (4 BEQ'S REQ'D)	SF	270,728	270,728	0	270,728	
102	72113	BEQ E6/E9 (3 BEQ'S REQ'D)	SF	203,046	203,046	0	203,046	
103	72210	ENLIST DINING FAC	SF	31,713	32,483	770	31,713	
104	72250	COLD STORAGE (EXT TO GALLEY)	SF	2,940	2,940	0	2,940	
105	72411	UOPH,W-1/O-2 (2 BOQ'S REQ'D)	SF	74,030	74,030	0	74,030	
106	72412	UOPH,O-3 & ABOVE (3 BOQ'S REQ'D)	SF	111,045	111,045	0	111,045	
107	73020	POLICE STATION	SF	6,800	6,420	(380)	6,420	
108	73025	GATE/SENT HOUSE	SF	300	420	120	300	
109	73066	MISC WTHR SHLTR	SF	9,000	4,205	(4,795)	4,205	1,500 SF BUS SHELTER
110	73075	PUBLIC TOILET	SF	2,250	2,555	305	2,250	
111	73083	CHAPEL/RELIGIOUS ED	SF	12,400	4,860	(7,540)	4,860	
112	73084	RELIGIOUS ED	SF	6,100	0	(6,100)	0	
113	73085	POST OFFICE	SF	5,100	2,550	(2,550)	2,550	
114	74001	EXCHANGE RETAIL AAFES	SF	13,000	6,712	(6,288)	6,712	
115	74002	LOCATION EXCHANGE AAFES	SF	7,500	0	(7,500)	0	
116	74004	EXCHANGE CAFE AAFES	SF	8,600	0	(8,600)	0	
117	74005	EXCHANGE SNACK STAND AAFES	SF	2,150	4,078	1,928	2,150	
118	74008	EXCHANGE FOOD STORE AAFES	SF	1,900	0	(1,900)	1,900	
119	74009	EXCHANGE SVC OUTLETS AAFES	SF	7,300	4,726	(2,574)	4,726	
120	74018	BANK NATIONS BANK	SF	3,800	1,200	(2,600)	1,200	
121	74019	CREDIT UNION NAVY FED CU	SF	3,300	3,356	56	3,300	
122	74028	AMUSEMENT CENTER USO	SF	2,600	6,330	3,730	2,600	
123	74031	EXCHANGE SUPP GAS STA AAFES	SF	600	616	16	600	
124	74032	EXCHANGE C/O CAR WASH AAFES	SF	1,300	1,131	(169)	1,131	
125	74036	HOBBY SHOP-AR/C MWR	SF	8,100	0	(8,100)	0	
126	74037	SUPPLY/SUPPORT FAC MWR	SF	8,100	8,100	0	8,100	
127	74038	AUTO HOBBY SHOP MWR	SF	9,700	0	(9,700)	0	
128	74040	BOWLING ALLEY MWR	SF	19,800	11,410	(8,390)	11,410	
129	74043	GYMNASIUM MWR	SF	45,150	51,099	5,949	45,150	
130	74056	THEATER AAFES	SF	18,500	4,599	(13,901)	4,599	
131	74060	OFFICERS CLUB MWR	SF	17,200	13,800	(3,400)	10,800	
132	74063	EM SERVICE CLUB MWR	SF	44,300	16,037	(28,063)	16,037	
133	74066	NCO CLUB MWR	SF	15,100	9,595	(5,505)	9,595	
134	74071	CLASS VI STORE AAFES	SF	6,300	0	(6,300)	0	
135	74076	LIBRARY	SF	8,600	3,468	(5,132)	3,468	
136	74077	MISC COMM STRG	SF	2,700	0	(2,700)	0	
137	74084	INDR PLAY CRTS MWR	SF	14,250	11,509	(2,741)	11,509	
138	74088	EDUC SVC OFFICE	SF	15,800	3,116	(12,684)	3,116	
139	74089	BATHHOUSE MWR	SF	10,500	2,668	(7,832)	2,668	
140	75010	PLAYING COURT MWR	EA	18	12	(6)	12	
141	75020	PLAYING FIELD MWR	EA	14	4	(10)	4	
142	75030	OUTDR SWIM POOL MWR	ME	75	25	(50)	25	
143	81109	ELECTRIC PWR PLNT BLDG	SF	240	240	0	240	
144	81159	STAND-BY GENERATOR BLDG	SF	2,780	2,780	0	2,780	
145	81209	ELECT DIST BLDG/SHEL	SF	1,465	1,465	0	1,465	
146	81212	TRANS STA (LESS THAN 500 KV)	KV	13,076	13,076	0	13,076	
147	81220	STREET LIGHTING	LF	43,080	43,080	0	43,080	
148	81230	ELECTRICAL DISTR.	LF	142,790	142,790	0	142,790	
149	81310	SWITCH/SUB STA BLDG	SF	835	835	0	835	
150	81320	SUB STA (MORE THAN 499 KV)	KV	12,542	12,542	0	12,542	
151	82109	HEATING PLANT BLDG	SF	120	120	0	120	
152	82160	DIST/HEAT FUEL OIL STOP	GA	45,856	45,856	0	45,856	
153	82625	CHILLED WATER PLNT (OVER 100 TNS)	TN	200	200	0	200	
154	82630	AIR COND PLNT (25 - 100 TNS)	TN	100	100	0	100	
155	82720	A/C /CHILLED WTR TRANS/DIST SYS	LF	100	100	0	100	Medium Size (25 - 100 TON)
156	83141	HAZARD STRG/TRNSFR	SF	2,936	2,936	0	2,936	
157	83210	WASTEWATER SYSTEM	LF	39,537	39,537	0	39,537	
158	83330	SOLID WASTE STND (Non Galley)	EA	18	18	0	18	
159	83340	GARBAGE HOUSE	SF	5,432	5,432	0	5,432	
	84140	GRD LVL POTABLE WATER STO TANK	GA	750,000	750,000	0	750,000	
	84209	WATER DIST BLDG/SHLTR. POTABLE	SF	2,130	2,130	0	2,130	
162	84210	WATER SYSTEM	LF	83,770	83,770	0	83,770	
163	84320	FIRE PROTECTION/PUMPING STA	GM	100	100	0	100	
164	84330	FIRE PROTECTION WATER TANK	GA	182,160	182,160	0	182,160	

NEW MCAS, OKINAWA

	CCN	DESCRIPTION	UM	SACO REQUIRED	CURRENT ASSETS TOTAL	SURPLUS/ (DEFICIENT)	SACO CONSTRUCT	COMMENTS
1	11110	RUNWAY (5,164 LF)	SY	57,500	150,000	105,000	45,000	240 LF ABOVE SEA LVL @ 89 Deg F
2	11120	HELO PAD (2 EA)	SY	2,200	2,144	(56)	2,144	
3	11210	TAXIWAY (5,000 LF)	SY	56,000	115,417	59,417	56,000	
4	11320	ACFT PRKG APRON (3,667 LF)	SY	248,000	282,710	34,710	248,000	
5	11340	ACFT ACC APRON (1,652 LF x 70 LF)	SY	12,800	30,132	17,332	12,800	AREA = 1,652 LF x 70 LF
6	11610	ACFT W/RACK PAVMNT	SY	1,600	4,050	2,450	1,600	
7	11615	ACFT RINSE FAC	SY	2,620	2,431	(189)	2,431	RW = 2@7,227 SF; FW = 1@16,398 SF
8	11620	COMPASS CAL PAD (1 / STATION)	SY	1,600	0	(1,600)	0	1 PER STATION
9	11665	TACTICAL SUPT VAN PAD	SY	11,300	12,799	1,499	11,300	
10	12110	A/C DIR FUEL STA	GM	1,200	1,200	0	1,200	4 OL
11	12120	ACFT TRK FUEL FAC	GM	500	500	0	500	
12	12310	FILLING STATION	OL	8	6	(2)	6	
13	12315	FILLING STATION BLDG	SF	108	54	(54)	54	
14	12430	A/C READY FUEL STRG	GA	818,000	798,000	(20,000)	798,000	
15	12450	VEH READY FUEL STRG	GA	50,000	50,000	0	50,000	
16	12510	POL PIPELINE	MI	0	0	0	0	
17	12630	TANK TRK/CAR LOAD FAC	OL	1	0	(1)	1	
18	13115	COMM CENTER	SF	2,597	2,610	13	2,597	
19	13120	COMM CONTROL LINK BLDG	SF	190	0	(190)	0	
20	13140	TELE EXCH BLDG	SF	5,805	3,654	(2,151)	3,654	
21	13160	MARS STATION	SF	600	582	(18)	582	
22	13372	RAD AIR TR CTL CEN	SF	1,700	840	(860)	840	
23	13375	AIR SURV RAD BLDG	SF	400	136	(264)	136	
24	13410	ANTENNA NAV-AC	EA	0	1	1	0	
25	13462	WIND DIRECTION INDICATOR	EA	1	1	0	1	
26	13464	HELICOPTER LANDING MARKERS	EA	16	16	0	16	9,000 LF
27	13470	RADAR FACILITY	EA	1	1	0	0	
28	13471	AVIATION METEOROLOGICAL FAC.	EA	2	2	0	2	
29	13520	TELEPHONE LINES	MI	12	12	0	12	
30	13610	APPROACH LIGHTING	LF	1,400	1,500	100	1,400	
31	13620	PARKING SERVICE AREA LIGHTING	LF	9,200	14,016	4,816	9,200	
32	13630	HELICOPTER LNDNG EDGE LIGHTING	LF	4,000	9,000	5,000	4,000	
33	13645	WHEEL-UP/WAVE-OFF LIGHTING	EA	2	1	(1)	1	
34	13650	TAXIWAY LIGHTING	LF	5,000	11,700	6,700	5,000	
35	13660	THRESHOLD LIGHTING	EA	2	2	0	2	
36	14111	AIR PSG TERMINAL	SF	4,000	3,973	(27)	3,973	
37	14125	COMB FIR/RES STN	SF	13,000	12,374	(626)	12,374	
38	14140	ACFT OPER BLDG	SF	12,600	9,543	(3,057)	9,543	
39	14141	MATCU OPS BLDG	SF	9,130	6,096	(3,034)	6,096	
40	14170	CONTROL TOWER	SF	3,000	972	(2,028)	972	
41	14345	ARMORY	SF	10,250	12,504	2,254	10,250	
42	14375	POL OPS BLDG	SF	1,600	605	(995)	605	
43	14378	RDY HAZ/FLAM STORAGE	SF	5,200	5,655	455	5,200	
44	14950	BLAST DEFLECTOR FENCE	EA	1	1	0	1	149 LF
45	17110	ACD/GEN INSTR BLDG	SF	18,667	18,000	(667)	18,000	
46	17120	APPLIED INSTR BLDG	SF	8,825	0	(8,825)	0	
47	17135	OPS TRAINER BLDG	SF	26,800	1,692	(25,108)	1,692	
48	17945	FIRE FIGHT PIT MOCKUP (5,800 SF)	EA	1	1	0	1	
49	17950	TRAINING COURSE	EA	1	1	0	1	
50	17955	COMBAT TRNG PL/TNK (13,000 SF)	EA	1	0	(1)	0	
51	21103	CORR CNTRL HNGR	SF	20,000	28,287	8,287	20,000	
52	21105	MAINT HNGR-OH	SF	156,960	135,790	(21,170)	135,790	
53	21106	MAINT HNGR-01 (Shop)	SF	67,550	57,409	(10,141)	57,409	
54	21107	MAINT HNGR-02 (Admin.)	SF	74,880	52,758	(22,122)	52,758	
55	21108	AIRFRAMES SHOP	SF	13,800	11,408	(2,392)	11,408	
56	21121	ENGINE MAINT SHOP	SF	34,500	21,184	(13,316)	21,184	
57	21145	AVIONICS SHOP	SF	6,500	0	(6,500)	0	
58	21154	AVIATION ARMAMENT	SF	8,300	3,439	(4,861)	3,439	
59	21175	PARACHUTE/SURV EQ SHP	SF	4,200	5,074	874	4,200	
60	21181	ENGINE TEST CELL	SF	14,517	23,517	9,000	14,517	
61	21189	POWER CHK PAD W0/SS	EA	2	3	1	2	
62	21196	MAINT, A/C SPARE	SF	1,100	0	(1,100)	0	
63	21199	HAZ/MAT STORAGE	SF	2,443	2,443	0	2,443	
64	21341	CENTRAL TOOL SHOP	SF	1,200	1,200	0	1,200	
65	21420	AUTO VEH SHOP	SF	24,420	30,159	5,739	24,420	
66	21430	REFUEL VEH SHOP	SF	1,800	9,470	7,670	1,800	
67	21440	VEH HOLDING SHED	SF	6,720	2,475	(4,245)	2,475	
68	21451	AUTO ORG SHOP	SF	30,500	0	(30,500)	0	
69	21455	VEHICLE WASH PLATFORM (7 ea)	SF	13,000	4,290	(8,710)	4,290	
70	21456	GREASE RACK	EA	3	2	(1)	2	
71	21710	ELEC COM MAINT SHP	SF	55,690	17,560	(38,130)	17,560	
72	21730	FLD MAINT SHP, E/C	SF	2,000	2,000	0	2,000	
73	21777	ELEC SP/MISC STRG	SF	400	400	0	400	
74	21820	CONSTR/WHE SHOP	SF	10,800	2,450	(8,350)	2,450	
75	21845	INSTRMNT CAL SHOP	SF	9,250	5,492	(3,758)	5,492	
76	21850	BATTERY SHOP	SF	1,110	80	(1,030)	80	
	21851	BATTERY RECHARGE SHOP	SF	176	176	0	176	
	21860	GSE SHOP	SF	13,700	17,489	3,789	13,700	
	21861	G/SPT EQ HOLD SHED	SF	14,600	19,404	4,804	14,600	
80	21870	OFFICE EQUIP/APPLIANCE RPR SHOP	SF	0	817		0	
81	21910	PW SHOP	SF	16,700	22,061	5,361	16,700	
82	21977	PW MAINT STORAGE	SF	5,700	0	(5,700)	0	

OPERATIONAL & SUPPORT FACILITIES FOR NEW MCAS

07/22/96

						NEW MCAS ,	OKINAWA	
					CURRENT			
	CCN	DESCRIPTION	UM	SACO REQUIRED	ASSETS TOTAL	SURPLUS/ (DEFICIENT)	SACO CONSTRUCT	COMMENTS
.5	84350	FIRE PROTECTION VALVE HOUSE	SF	476	476	0	476	
166	84410	WATER SUPPLY/STO BLDG - NONPOTABLE	SF	640	640	0	640	
167	85110	ROADS	SY	185,355	185,355	0	185,355	
168	85210	PARKING AREA	SY	175,807	175,807	0	175,807	
169	85220	SIDEWALK	SY	35,204	35,204	0	35,204	
170	85235	OTHER PAVED AREA	SY	6,600	6,600	0	6,600	
171	87110	STORM SEWER	LF	62,095	62,095	0	62,095	
172	87111	OIL/WATER SEPARATOR	KG	15,000	15,000	0	15,000	
173	87120	DRAINAGE DITCH (EXCL ROAD DITCH)	LF	62,095	62,095	0	62,095	
174	87135	RETAINING WALL	LF	1,542	1,542	0	1,542	
175	87210	STA SEC/PERIMETER FENCNG/WALLS	LF	39,526	39,526	0	39,526	
176	87215	INTERIOR FENCING	LF	6,361	6,361	0	6,361	(NOT CODED IN 87210)
177	89009	BLDG HSG MISC/UTILITY PLANT	SF	3,623	3,623	0	3,623	

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